

U.S. Department of Energy
Office of River Protection

P.O. Box 450, MSIN H6-60
Richland, Washington 99352

0063229

DEC 07 2004

04-ED-103

Mr. Michael A. Wilson, Program Manager
Nuclear Waste Program
State of Washington
Department of Ecology
3100 Port of Benton Blvd.
Richland, Washington 99352

RECEIVED
DEC 8 9 2004
EDMC

Dear Mr. Wilson:

SUBMITTAL OF PERMIT DESIGN PACKAGES NOS. PTF-021, PTF-077, PTF-083, AND PTF-088 FOR THE WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP)

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Chapter 10 and Attachment 51, 'Waste Treatment and Immobilization Plant.'"

This letter transmits the following WTP permit design packages for the State of Washington Department of Ecology (Ecology) approval, in accordance with the Reference:

- PTF-021, Revision 0, "Tank System for PT Facility PVP System;"
- PTF-077, Revision 0, "Miscellaneous Unit Systems for PT Facility PVP System at 0 ft. Elevation;"
- PTF-083, Revision 0, "Miscellaneous System Equipment for PT Facility PVP System at 0 ft. Elevation;" and
- PTF-088, Revision 0, "Tank System Ancillary Equipment for PT Facility PVP System."

Attachment 1 provides summary descriptions of the permit design packages and Attachment 2 provides the permit design packages. Bechtel National, Inc. and the U.S. Department of Energy Office of River Protection certification statements are provided in Attachment 3.

The attached permit packages provide the information necessary for Ecology to confirm that the structures, equipment, and processes described in the permit package will comply with the Reference. This information will allow Ecology to permit the installation of the Pretreatment Vessel Vent Process (PVP) system High Efficiency Mist Eliminator Drain Collection vessel (PVP-VSL-00001), the PVP Vessel Vent Caustic Scrubber (PVP-SCB-00002), and the associated ancillary equipment for these tank and miscellaneous unit systems.

Dangerous Waste Permit (DWP) package submittals are certified coincident with issuance of the integrity assessment report contained in the package. Permit affecting design changes not

DEC 07 2004

Mr. Michael A. Wilson
04-ED-103


-2-

included in, or occurring after issuance of, the final integrity assessment report will be processed in accordance with DWP requirements for permit modification prior to construction or installation of affected equipment and components. Installation of equipment and components will be done in accordance with permit packages approved and incorporated into the DWP by Ecology.

Due to the potential sensitivity of the attached engineering information, Ecology is requested to place the data for public review in the standard information repositories, but not provide electronic dissemination of the information.

If you have any questions, please contact me, or your staff may contact Lori A. Huffman, Environmental Division, (509) 376-0104.

Sincerely,



Roy J. Schepens
Manager

ED:LAH

Attachments: (3)

cc w/attachs:

B. G. Erlandson, BNI
J. P. Henschel, BNI
J. Markillie, BNI (w/o attachs)
J. Cox, CTUIR
S. Harris, CTUIR
R. K. Biyani, Ecology
S. L. Dahl, Ecology
G. P. Davis, Ecology (w/o attachs)
S. J. Skurla, Ecology (23)
P. Sobotta, NPT
K. Niles, Oregon Energy (w/o attachs)
J. B. Hebdon, RL (w/o attachs)
A. C. McKarns, RL
R. Jim, YN
Administrative Record
Environmental Portal, LMSI